Table 1: Genetic modifiers

modifier	flyCT	Start	End	hCG	hCT	hCP	Start	End	E-value	gene name / protein family	comments	SEQ ID NO (hCT/hCP)
EP(2)2107	CT25384	94	183	hCG37225	hCT28457	hCP47994	96	185	4.00E-32	TG-interacting factor / TALE/KNOX homeobox protein	modifier of Dps and C99	6/7
EP(2)2122	CT11970	54	411	hCG22190	hCT13283	hCP39677	12	348	4.00E-75	n/a	modifier of Dps and C99	8/9
EP(2)2151	CT3996	27	392	hCG22926	hCT14025	hCP40373	39	415	1.00E-109	NAP1 / aspartyl protease-related	modifier of C99	10/11
EP(2)2162	CT7676	15	374	hCG30594	hCT21765	hCP44907	13	373	3.00E-97	n/a	modifier of Dps and C99, lethal over C99	12/13
EP(2)2173	CT14619	10	531	hCG23983	hCT15097	hCP41313	100	564	1.00E-25	Drosophila nocA Zn finger transcription factor ortholog	modifier of Dps and C99, human ortholog on 10q	14/15, 16/17, 52/53
EP(2)2205	CT9828	93	619	hCG41821	hCT33094	hCP51674	668	1180	4.00E-66	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1 (ACE)	modifier of Dps and C99, metalloprotease	18/19
EP(2)2511	CT11457	6	258	hCG20663	hCT11743	hCP38288	28	2.76E+02	2.00E-65	copper chaperone for superoxide dismutase / superoxide dismutase [CU-ZN]	modifier of Dps and C99	20/21
EP(2)2554	CT10410	6	192	hCG39955	hCT31207	hCP49745	5	198	2.00E-16	glutathione S-transferase theta 1	modifier of Dps and C99	22/23
EP(2)2554	CT10310	15	661	hCG40293	hCT31548	hCP50060	18	617	2.00E-90	intersectin-related	modifier of Dps and C99	24/25
EP(3)3041	CT5336	14	227	hCG42003	hCT33279	hCP51813	29	246	1.00E-39	HSA011916	modifier of Dps and C99	26/27
EP(X)1526	CT10709	7	597	hCG37950	hCT29186	hCP47880	6	519	1.00E-168	protein kinase inhibitor P58-related	modifier of Dps and C99	28/29
P1396=l(2)05206	CT13013	316	655	hCG20435	hCT11514	hCP38090	106	404	2.00E-72	cyclin	modifier of Dps and C99	30/31
P1486=l(3)00090	CT22943	1818	2491	hCG32338	hCT23526	hCP46544	663	1248	2.00E-84	retinoblastoma binding protein-related	modifier of Dps and C99	32/33
P1505=l(3)00643	CT23724	760	1123	hCG40234	hCT31488	hCP50765	131	439	3.00E-63	early growth response 2 (Krox-20 (Drosophila) homolog)	modifier of Dps, human ortholog on 10q	34/35
P1548=l(3)01814	CT24038	75	167	hCG18539	hCT9598	hCP36359	1	93	1.00E-31	n/a	modifier of Dps and C99	36/37
P2093=l(3)j5C8	CT18339	218	438	hCG14845	hCT5866	hCP35211	38	278	6.00E-31	baculoviral IAP repeat-containing 4 / apoptosis inhibitor related	modifier of Dps and C99	38/39
P2093=l(3)j5C8	CT18415	62	293	hCG17907	hCT8961	hCP33787	353	569	2.00E-18	ankyrin-related	modifier of Dps, human homolog on 10q	40/41
P2093=l(3)j5C8	CT18415	50	349	hCG41783	hCT33056	hCP51594	7	307	2.00E-23	ankyrin-3, ankyrin-G	modifier of Dps, human homolog on 10q	42/43
P2104=l(3)j13B3	CT13750	372	733	hCG201263	hCT201265	hCP201588	61	432	1.00E-111	ubiquitin carboxyl-terminal hydrolase	modifier of Dps and C99	44/45
P2121=l(3)j4E1	CT23760	87	283	hCG25031	hCT16153	hCP41935	239	437	2.00E-37	dual specificity protein phosphatase	modifier of Dps and C99	46/47
P2122=l(3)rL074	CT23073	5	879	hCG39269	hCT30519	hCP50592	21	902	0	minichromosome maintenance deficient (S. cerevisiae) 2 (mitotin) / DNA replication licensing factor MCM	modifier of Dps and C99	48/49
P2319=l(2)06694	CT13966	1	932	hCG21123	hCT12209	hCP38695	18	937	0	alpha-adaptin	modifier of C99	50/51